Proposal to Modify Processing Business Rules (Phase 1)

In this first Phase we want to eliminate (discard) all transactions that have an invalid Service Indicator Code. Suggest this be done up front by a filter program prior to processing in IMACS.

Proposed High Level Rules for Phase 1:

1. Eliminate (discard) all A2_, A5_, D6_, and AR0 with blank Supplementary Addresses.
2. Eliminate (discard) any records that do not have an owner Service Code in the first position of the Document Number DODAAC (column 30) per the table below:

Service	Acceptable Service Codes
Air Force	F
Army	W
Navy	N, Q, R, V, I
USMC	M

DRAFT

Proposal Modify Processing Business Rules (Phase 1 concluded)

3. If Supplementary Address Service Indicator Code (i.e. first position of Supplementary Address), using the same logic as used in Step 2 above with the addition of retaining those records with Supplementary Addresses of an “S” in the first position (signifies DLA is involved in asset movement). Eliminate (discard) all records that fail the above criteria.

Benefits: If implemented on the Transaction mismatch data (since October 1, 1999) analyzed, would have reduced the size of this file and the user’s burden to manually delete these error conditions by 31%. Also, this change can be implemented in the Transaction interface load/filter script(s), no changes required to the IMACS applications.

DRAFT

Proposal to Modify Processing Business Rules (Phase 2)

The scope of this phase is to modify the IMACS application to automatically post the Supplementary Address (after it has been determined to be a valid DODAAC in IMACS) from the A2_, A5_, and D6_ records when there is no matching address established in Exhibit XIII, Part 1 (by Tab).

Proposed High Level Rules for Phase 2:

Assumptions - 1) the A2/A5/D6_ records are valid, no other errors including the check to ensure the DODAAC matches one in the IMACS DODAAC Table, and 2) the user has not established a matching Supplementary Address in Exhibit XIII, Part 1 (by Tab) for NSN and Document in question.

1. Identify those A2/A5/D6_ records that are shipments/receipts for repairable assets moving from a Principle's Document/Requisition Number to an agent's location for repair. This can be derived by comparing the Service code (col 30 of the Doc number) to the Service code (col 45 of the Supp Address). Unequal conditions are candidates for further scrutiny. If the case where a Navy asset is being shipped to bonded storage at OC-ALC (col 30 = "Q" and col 45 = "N") Service codes may be different or the same (col 30 = "N" and col 45 = "N") . It may be necessary to look at the TO RIC (I.e., FHB or FHZ) to verify the assets in question are in fact being shipped to the agent depot (OC-ALC) for repair.

DRAFT

Proposal to Modify Processing Business Rules (Phase 2 concluded)

2. Where Service code (col 30 of the Doc number)is equal to the Service code (col 45 of the Supp Address), these appear to be serviceable assets being returned to the Principals designated location (as specified in Exhibit XIII, Part 2). No change to required to Exhibit XIII, Part 2 logic. Users are still required to manually establish Shipping Instructions for the return of serviceable assets.
3. May also want to convert the PURPOSE code (usually an "A") to the appropriate OWNERSHIP code before posting into the IMACS database (Service Lead ?????????).
4. Have IMACS automatically establish the Supplementary Address in Exhibit XIII, Part 1 (by Tab) for those shipment/receipt records meeting the above criteria.
5. Suggest a "Yes/No" sysgen flag be added to the database to identify those records from which the Supplementary Address was automatically placed in the Supplementary Address in Exhibit XIII, Part 1 (by Tab) from an input A2/A5/D6_.

Benefits: Implementation of the above business rules has the potential of reducing the number of mis-match errors due to users failing to establish Exhibit XIII, Part 1 Shipping Instructions prior to the interface of shipment/receipt records form the legacy systems..

This improvement will also reduce the user burden of having to manually establish the Exhibit XIII Part 1 data prior to receipt of Transaction (shipment/receipt) data. This improves the timeliness of which asset data is posted in the IMACS database and now makes this data available for production reporting.

Note: AR0s are not included in this Phase (included in Phase 3) , however the developer is encouraged to keep these records in mind in their design. The above rules

DRAFT

Proposal to Modify Processing Business Rules (Phase 3)

The purpose of this Phase is for IMACS to derive the Ownership Codes (OC) and Condition Codes (CC) for AR0s without matching posted/mismatch A2/A5_ records. An assumption is that if there has not been an A2/A5_ record posted in IMACS prior to receipt of an AR0, odds are you will not be receiving an A2/A5_ record. The business rules established in Phase 2 for assignment of Supplementary Address to Exhibit XIII Part 1 are also to be applied to these AR0 records.

Proposed High Level Rules for Phase 3:

1. Convert the ARO Service Indicator Code (i.e., first position of the Document Number DODAAC (column 30)) to the Services corresponding Ownership Code as noted below and append to the ARO record (col 81).

Service	Acceptable Service Codes	Ownership Code
Air Force	F	6
Army	W	1
Navy	N, Q, R, V, I	5
USMC	M	4

As added insurance, suggest this system generated OC be matched to that in the DMISA number to ensure integrity in OC assignment.

DRAFT

Proposal to Modify Processing Business Rules (Phase 3 - continued)

2. If the transaction reflects bonded storage of the Navy with DLA (The first position of the Supplementary Address - col 45 - is I, N, Q, R, S, or V), then keep the transaction, assign an error code of CC and skip the remaining steps.
3. Traverse the IMACS database in search of a **M**aterial **R**elease **O**rder (A5_) with the same Document Number and NSN if the shipment involves the Navy. If a matching MRO is found on the mismatch table, then assign an error and skip to step 6. If a matching MRO is found on the posted Transaction table, then skip to step 6 and continue processing.

***NOTE*:** Create a new mismatch/error code that is more indicative than OC (Ownership Code) and CC (Condition Code) for those instances where a matching MRO (A5_) was not found.

4. If the Service Code (1st position of the Document Number - col 30) is equal to the Service Code (first position of Supplementary Address), establish Condition Code "A" <Serviceable>, and append to AR0 transaction (assumed to be shipment from Depot) col 82, of the AR0 and process the record.

NOTE: Assumption is that all intraservice AR0's have been filtered out in steps prior to this logic.

5. If the Service Indicator Code (column 30, first position of Document Number) is different from the Service Code (i.e., first position of Supplementary Address), establish Condition Code "F" <Unserviceable> and append to AR0 transaction (assumed to be a shipment to Depot) col 82 and process the record.

Proposal to Modify Processing Business Rules (Phase 3 - concluded)

6. If ARO Supplementary Address is valid (loaded in the IMACS DODAAC database table), however not established in Exhibit XIII, Part 1, apply the same business rules as defined in Phase 2.
***NOTE*:** Create a new mismatch/error code that is more indicative than NL (No Line Item) for those instances where there are no shipping instructions for Exhibit XIII.

Benefits: Implementation of the above business rules would have eliminated those remaining 234 AROs (excluded those AR0s that would have been eliminated as a result of the implementation of the Phase 1 & 2 business rules) records from the mismatch file (each currently rejecting with an “OC” and “CC” error code) that have occurred since 1 October 1999.

This improvement will eliminate the user burden of having to manually establish either a A2_ or A5_ transaction to match the AR0 in order for the current IMACS business rules to process the AR0s. This also improves the timeliness of which asset data is posted in the IMACS database and now makes this data available for production reporting.

DRAFT

Proposal to Modify Processing Business Rules (Phase 4)

The purpose of this Phase is to implement an interface with the Distribution Stan
(DSS) to obtain inter-service Transaction and Balance data.

Proposed High Level Rules for Phase **4:**

1. Create load scripts for DSS Transaction & Balance data that identify DSS as th
utilized all the currently filters used on current Transaction & Balance interfaces
2. Modify IMACS to accept an ARO record that has 82 cols (currently 80 cols). DS
provide Ownership Codes in col 81 and Condition Codes in col 82. These codes w
be validated using the IMACS business rules for A2/A5/D6_ records.
3. All DSS input records, valid or mismatch, will be processed using current Tran
Balance business rules.
4. Will have to address what to do with duplicate records that come in from both
systems as well as from DSS. PMO may want to turn on the DSS interface first at
which we currently have no source of legacy system data (Navy & Army). PMO m
want to monitor the compatibility of data between legacy systems and DSS to det
if the current legacy system interfaces can be terminated.

Proposal to Modify Processing Business Rules (Phase 4 - concluded)

Benefits: Provides a source of Transaction and Balance data that is either not available or only partially available from a the current Service legacy systems. Redu user burden of having to research asset status and manually input records into IMA also improves the timeliness of which asset data is posted in the IMACS database a makes this data available for production reporting.